6. (cancelled)

7. (cancelled)

8. (cancelled)

9. (cancelled)

10. (cancelled)

11. (previously amended) A transponder unit for use in a remote tire pressure monitoring system for a vehicle which includes a plurality of remote tire pressure sensors connected to respective tires, wherein each pressure sensor is adapted to transmit a signal with information about the condition of its respective tire, the transponder unit comprising:

a receiver for receiving the transmitted signals from the individual pressure sensors;

a signal processor for processing signals from the pressure sensors and generating a coded signal for transmission which identifies the transponder unit and tire location; and,

a transmitter for transmitting the coded signal to a remote receiver where information can be displayed to a driver about the tires associated with the transponder unit.

12. (original) A transponder unit according to claim 11, further comprising a memory to store a unique identification code to identify the transponder unit.

13. (previously amended) A remote tire pressure monitoring system comprising a transponder unit according to claim 11, in combination with a cab unit, the cab unit comprising:

a receiver for receiving the coded signal from the transponder unit;

a signal processor for detecting and decoding the coded signal; and,

a display for providing the driver with information about the condition of the tires associated with the transponder unit.

14. (previously amended) A remote tire pressure monitoring system according to claim 13, further comprising a vehicle trailer on which the transponder unit is mounted.

15. (previously amended) A remote type pressure monitoring system according to claim 13, in which the remote tire pressure sensors are battery-powered tire pressure sensors, each battery-powered tire pressure sensor comprising:
a pressure transducer for sensing a pressure of a tire and providing a tire pressure signal;
a transmitter;

a signal processor connected to the pressure transducer for providing a signal dependent on the tire pressure signal to the transmitter; and
a timing circuit connected to the signal processor which is configured to automatically switch the tire pressure sensor on periodically for a predetermined interval to measure the tyre pressure and switch off the tire pressure sensor at all other times to conserve battery power in which the timing circuit comprises a timer and a switch, the timer being configured to periodically actuate the switch and thereby connect the pressure sensor to the battery to turn the tire pressure sensor on for said predetermined interval.

16. (previously amended) A vehicle comprising a cab unit and a trailer unit connectable to the cab unit, comprising a remote tire pressure monitoring system according to claim 13.

17. (original) A vehicle according to claim 16, in which the transponder unit is responsive to transmit an identification signal to the remote receiver when power is first supplied to the transponder unit.

18. (original) A vehicle according to claim 17, in which power is supplied to the transponder unit by activation of the vehicle brake light line.

19. (previously amended) A vehicle according to claim 16, wherein the receiver of the transponder unit has a processor programmed to recognise transmissions from sensors connected to wheels of the trailer and ignore all others.